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Model #: PDUMV20HVNET

Switched, Metered PDU with Remote Monitoring - 0U Vertical Rackmount Power Distribution Unit for Networks with Individually Switchable Outlets, Current Metering, Remote Monitoring and Control

Highlights

- 64-in. 0U vertical switched rack PDU with digital current monitoring, remote control and temperature/humidity montitoring capability
- 208/230/240V 20A maximum total capacity with C20 inlet, detachable L6-20P input cord and 24 individually controllable outlets (20 x C13 and 4 x C19)
- Provides capability to to turn on, turn off, recycle or lock out power to each individual outlet
- Programmable or real-time outlet power control via built-in Web/network monitoring and control card
- Automatic sequential outlet turn-on prevents inrush-related equipment interaction on startup
- Cord retention brackets keep vital equipment plugs connected

Description

Tripp Lite's PDUMV20HVNET Switched, Metered Rack Power Distribution Unit provide a variety of advanced network control and monitoring functions. They give IT managers the ability to remotely monitor PDU power consumption and in-rack environmental conditions, and to turn on, turn off, recycle or lock out power to each individual receptacle. Switched PDU systems can be accessed, configured and controlled through secure Web, SNMP or Telnet interfaces. Individually switched outlets can be controlled via a built-in Web/network interface, enabling remote reboots of unresponsive network hardware. User-defined power-up and power-down outlet sequences ensure proper operation of interdependent IT systems and prevent inrush-related overloads as devices are powered on. Programmable load shedding of less critical devices at user-defined intervals extends UPS uptime in response to power failures. Unused PDU outlets can be electronically locked off to prevent powering of unauthorized hardware. PDU power consumption is displayed locally and can be monitored via the Web/network interface, with user-defined alarms to warn of potential overloads before critical IT mains or branch breakers trip. An optional ENVIROSENSE temperature/humidity probe enables remote monitoring of in-rack environmental conditions and alarms for up to three user-supplied contact-closure sensors. Supports real-time monitoring, notification and logging of all on-board reporting functions with user-specified alarm thresholds and actions for each reported condition.

The PDUMV20HVNET supports 20A maximum capacity at 208/230/240V (agency de-rated to 16A). Includes C20 power inlet with detachable 10-ft. L6-20P input cordset and 24 individually controllable output receptacles (20 x C13 and 4 x C19). Visual and remote current monitoring tracks output current. Supports 0U vertical rackmount installation with included mounting brackets. Tooless button-mount installation supported in compatible racks. Included cord retention brackets keeps vital network equipment plugged in and continuously powered.

Applications

- Ideal for network configurations requiring a switched, metered and monitored PDU supporting individual outlet rebooting, load shedding and remote Web/network current monitoring of critical networking components

Package Includes

- Rackmount PDU
- L6-20P to C19 detachable input cord
- Rackmount brackets

Features

- 208/230/240V 20A maximum capacity (agency de-rated to 16A). Switched, Metered and Monitored Power Distribution Unit (PDU) with built-in web/network interface in 0U vertical rack form factor
- Includes C20 power inlet, detachable L6-20P input cordset and 24 controllable outlets (20 x C13 and 4 x C19)
- Supports individually controllable output receptacles, current metering, network monitoring and remote control via built-in Web/network monitoring and control card
- Provides the ability to turn on, turn off, recycle or lock out power to each individual PDU receptacle on a programmable or real-time basis
- Switchable outlets enable a number of advanced networking abilities, such as remote reboot on-demand of locked IT equipment, custom power-on/power-off outlet sequencing, automatic load-shedding of optional loads during power failures and disabling unused outlets to prevent the connection of unauthorized equipment loads
- Remote interface provides data regarding input power conditions, load level and individual outlet power status via secure network or Web browser interface
- Supports notification and logging of all major power events and user specified alarm thresholds
- Optional ENVIROSENSE temperature and humidity probe enables remote monitoring of environmental conditions and the ability to report conditions from up to two contact-closure sensors
- Optional ENVIROSENSE probe also supports the connection of up to three use- supplied contact-closure sensors to selectively notify, monitor and log reported conditions, such as rack door access
- DHCP/Manual configuration support provides the ability to have network settings automatically assigned to the card, or manually assigned via permanent IP addresses
- 10/100 Mbps auto-sensing allows optimal communication compatibility with current 10/100 Base-T networks
- Real-time clock support maintains the time of day and date even if the PDU is shut down and unpowered
- 2-tier level access enables an administrator and a guest to log into the web browser for monitoring and/or management of all intelligent PDUs and similarly equipped UPS systems
- Alert notifications via email or SNMP traps provide immediate event notification
- Protocols supported include HTTP, HTTPS, PowerAlert Network Management System, SMTP, SNMPv1, SNMPv2, Telnet, FTP, DHCP, BOOTP, NTP
- Front panel ammeter displays whole PDU power consumption in amps
- On initial power-up, outlets are automatically energized at 250 millisecond intervals to prevent inrush-related equipment interaction and mains circuit overloads
- Included cord retention brackets keep vital network equipment plugged in and continuously powered
- Circuit breaker-free format prevents power interruptions due to tripped breakers while still providing mains panel protection from overloads and short-circuit fault conditions
- 64-in. 0U vertical rack installation supported with included rackmount brackets
- Tooless mounting supported in button-mount compatible racks

Specifications

SYSTEM OVERVIEW	
Voltage compatibility	208/230/240V
Frequency compatibility	50/60 Hz
OUTPUT	
Output nominal voltage	208/230/240V
Outlet quantity / type	20 x C13, 4 x C19
Customized load management receptacles	Each outlet is individually controllable via remote interface
Overload protection	n/a
INPUT	
Maximum input amps	20A maximum (Agency de-rated to 16A continuous)
Input connection type	C20 inlet accepts included L6-20P input cable. Alternate C19 input cordsets supported.
Input cord length	10 ft./3m
Recommended Electrical Service	208V, 230V, 240V
LEDS ALARMS & SWITCHES	

Front panel LEDs	24 power availability LEDs confirm power off/on status for each built-in outlet
PHYSICAL	
Shipping weight (lbs)	13.5
Shipping weight (kg)	6.1
Shipping Dimensions (HWD/in)	4 x 6 x 72.5
Shipping Dimensions (HWD/cm)	10.2 x 15.2 x 184.2
Unit weight (lbs)	8.5
Unit weight (kg)	3.9
Unit Dimensions (HWD/in)	64 x 2.19 x 4.75
Unit Dimensions (HWD/cm)	162.6 x 5.6 x 12.1
Form factors supported	0U vertical rackmount; includes rackmount brackets. Supports tooless mounting in button-mount compatible racks
Style	Vertical Rackmount
ENVIRONMENTAL	
Relative Humidity	0-95% non-condensing
COMMUNICATIONS	
SNMP compatibility	Pre-installed SNMPWEBCARD provides remote monitoring via web, Telnet, and SNMP management systems. Remote management enables outlets to be turned on and off individually
CERTIFICATIONS	
Certifications	Tested to UL 60950-1 (USA, Canada), CE (Int'l), Class A (Emissions), NOM (Mexico), RoHS compliant
WARRANTY	
Product Warranty Period	2 years

Related Items

Extended Warranties		
WEXT3-PDU-HVNET	3-Year Extended Warranty - For Switched PDUs ending with HVNET	Qty: [optional]
WEXT5-PDU-HVNET	5-Year Extended Warranty - For Switched PDUs ending with HVNET	Qty: [optional]

Power Cables		
P004-006	Notes	Qty: [optional]
P032-007	Notes	Qty: [optional]
P005-010	Notes	Qty: [optional]
P036-002	Notes	Qty: [optional]
P036-006	Notes	Qty: [optional]
P047-010	Notes	Qty: [optional]
P050-008	Notes	Qty: [optional]
P052-008	Notes	Qty: [optional]

Rack Accessories		
SRCABLERING2U	2U Horizontal Cable Manager (Flexible ring type.)	Qty: [optional]
SRCABLERING1U	1U Horizontal Cable Manager (Flexible ring type.)	Qty: [optional]
SRCABLEDUCT1U	1U Horizontal Cable Manager (Finger duct with cover.)	Qty: [optional]

SNMP Accessories		
ENVIROSENSE	Monitors temperature, humidity and contact-closure inputs. (Requires SNMPWEBCARD or switched PDU.)	Qty: [optional]

More information, including related products, owner's manuals, and additional technical specifications, can be found online at www.tripplite.com/en/products/model.cfm?txtModelID=3764.

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